

PATENT CLAIMS

1. Pressure measuring unit comprising
 - a ceramic pressure sensor (2) held in a metal housing (1, 29),
 - wherein the surfaces of the housing (1, 29) coming during measurement in contact with a medium, whose pressure is to be measured, are provided with a coating (27) of enamel or a glassy material.
2. Pressure measuring unit as claimed in claim 1, wherein
 - the housing (1) is a flange to be secured at a measuring location and the measuring cell (2) is installed in the flange, and
 - surfaces of the flange coming in contact with the medium are provided with a coating (27) of enamel or a glassy material.
3. Pressure measuring unit as claimed in claim 1, wherein
 - the housing (29) exhibits a process connection (35), and
 - surfaces (43, 45, 47) of the process connection (35) coming in contact with the medium at a measurement location are provided with a coating (27) of enamel or a glassy material.
4. Pressure measuring unit as claimed in claim 1, wherein
 - the pressure sensor is a differential pressure measuring cell,
 - the housing has two side flanges (49), between which the pressure sensor is clamped, and
 - surfaces (61, 63, 65) of the side flanges coming in contact with the medium at the measurement location are provided with a coating (27) of enamel or a glassy material.
5. Pressure measuring unit as claimed in one of the preceding claims, wherein the housing (1, 29) comprises steel or stainless steel.